~~10674896~~

10/677836

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PASSWORD:
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SESSION RESUMED IN FILE 'CAPLUS' AT 14:17:34 ON 12 SEP 2004
FILE 'CAPLUS' ENTERED AT 14:17:34 ON 12 SEP 2004
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COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    29.81     434.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -7.70     -10.50

=> file regis
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    29.81     434.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -7.70     -10.50

FILE 'REGISTRY' ENTERED AT 14:17:40 ON 12 SEP 2004
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STRUCTURE FILE UPDATES:    10 SEP 2004  HIGHEST RN 742663-39-4
DICTIONARY FILE UPDATES:   10 SEP 2004  HIGHEST RN 742663-39-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s 676247-13-5
L7            1 676247-13-5
                 (676247-13-5/RN)

=> s 676247-07-7/rn
L8            1 676247-07-7/RN
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10674896

=> s 344413-26-9/rn
L9            1 344413-26-9/RN

=> s 88491-11-6/rn
L10           1 88491-11-6/RN

=> s 676247-05-5/rn
L11           1 676247-05-5/RN

=> s88491-10-5/rn
S88491-10-5 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s 88491-10-5/rn
L12           1 88491-10-5/RN

=> s 676247-15-7/rn
L13           1 676247-15-7/RN

=> s 676247-09-9/rn
L14           1 676247-09-9/RN

=> s 473829-28-6/rn
L15           1 473829-28-6/RN

=> s 343856-30-4/rn
L16           1 343856-30-4/RN

=> s 103563-17-3/rn
L17           1 103563-17-3/RN

=> s 103563-16-2/rn
L18           1 103563-16-2/RN

=> s l7 or l8 or l9 or l10 or l11
L19           5 L7 OR L8 OR L9 OR L10 OR L11

=> s l12 or l13 or l14 or l15 or 16 or l17 orl17 or l18
MISSING OPERATOR

=> s 12 or l13 or l14 or l15 or l16 or l17 or l18
        711947 12
L20     711953 12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18

=> s l12 or l13
L21           2 L12 OR L13

=> s 21 or l14 or l15
        314354 21
L22     314356 21 OR L14 OR L15

=> s l21 or l14
L23           3 L21 OR L14

=> s l23 or l15
L24           4 L23 OR L15

=> s l24 or l16
L25           5 L24 OR L16
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=> s l25 or l17 Or l18
MISSING OPERATOR

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=> s l26 or l18
L27          7 L26 OR L18

=> s l27 or l19
L28         12 L27 OR L19

=> d 1-12 l28

L28  ANSWER 1 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   676247-15-7  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-6-ylidene- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C9 H12 O2
SR   CA
LC   STN Files:   CA, CAPLUS, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation)
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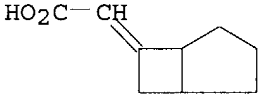

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 2 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   676247-13-5  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-2-en-6-ylidene- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C9 H10 O2
SR   CA
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DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation)
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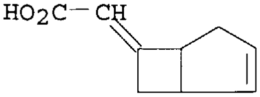

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 3 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   676247-09-9  REGISTRY
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CN    Acetic acid, (1R,5R)-bicyclo[3.2.0]hept-6-ylidene- (9CI)  (CA INDEX NAME)
FS    STEREOSEARCH
MF    C9 H12 O2
SR    CA
LC    STN Files:   CA, CAPLUS, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation); RACT
        (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.
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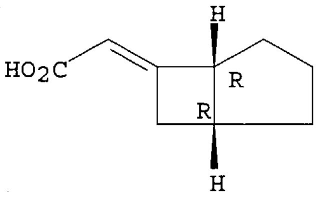

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28   ANSWER 4 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN    676247-07-7  REGISTRY
CN    Acetic acid, (1S,5R)-bicyclo[3.2.0]hept-2-en-6-ylidene-, ethyl ester (9CI)
      (CA INDEX NAME)
FS    STEREOSEARCH
MF    C11 H14 O2
SR    CA
LC    STN Files:   CA, CAPLUS, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation); RACT
        (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.
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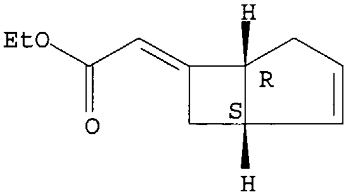

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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L28   ANSWER 5 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN    676247-05-5  REGISTRY
CN    Acetic acid, (1S,5R)-bicyclo[3.2.0]hept-2-en-6-ylidene- (9CI)  (CA INDEX
      NAME)
FS    STEREOSEARCH
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MF    C9 H10 O2
SR    CA
LC    STN Files:   CA, CAPLUS, USPATFULL
DT.CA  CAplus document type:  Patent
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        (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.
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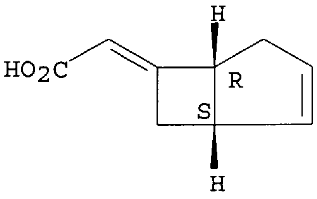

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                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28   ANSWER 6 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN    473829-28-6  REGISTRY
CN    Acetic acid, (1R,5R)-bicyclo[3.2.0]hept-6-ylidene-, ethyl ester (9CI)   (CA
      INDEX NAME)
FS    STEREOSEARCH
MF    C11 H16 O2
SR    CA
LC    STN Files:   CA, CAPLUS, USPAT2, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation); RACT
        (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry unknown.
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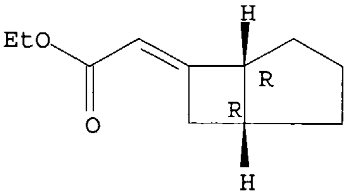

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                4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28   ANSWER 7 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN    344413-26-9  REGISTRY
CN    Acetic acid, bicyclo[3.2.0]hept-2-en-6-ylidene-, ethyl ester (9CI)   (CA
      INDEX NAME)
FS    3D CONCORD
MF    C11 H14 O2
SR    Reaction Database
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LC    STN Files:   CA, CAPLUS, CASREACT, USPATFULL
DT.CA   CAplus document type:  Patent
RL.P    Roles from patents:  PREP (Preparation); RACT (Reactant or reagent)
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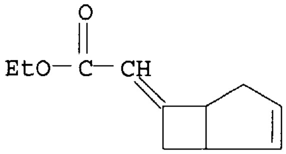

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L28  ANSWER 8 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   343856-30-4  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-6-ylidene-, ethyl ester (9CI)  (CA INDEX
     NAME)
FS   3D CONCORD
MF   C11 H16 O2
SR   Reaction Database
LC   STN Files:   CA, CAPLUS, CASREACT, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  PREP (Preparation); RACT (Reactant or reagent)
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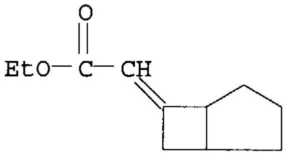

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 9 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   103563-17-3  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-6-ylidene-, methyl ester, (E)- (9CI)  (CA
     INDEX NAME)
OTHER CA INDEX NAMES:
CN   Bicyclo[3.2.0]heptane, acetic acid deriv.
FS   STEREOSEARCH
MF   C10 H14 O2
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT
         (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); PRP (Properties)

Relative stereochemistry.
Double bond geometry as shown.
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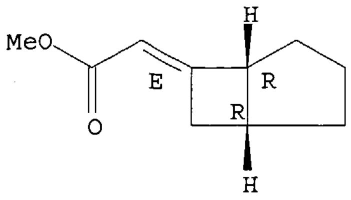

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 10 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   103563-16-2  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-6-ylidene-, methyl ester, (Z)- (9CI)  (CA
     INDEX NAME)
OTHER CA INDEX NAMES:
CN   Bicyclo[3.2.0]heptane, acetic acid deriv.
FS   STEREOSEARCH
MF   C10 H14 O2
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT
         (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); PRP (Properties)

Relative stereochemistry.
Double bond geometry as shown.
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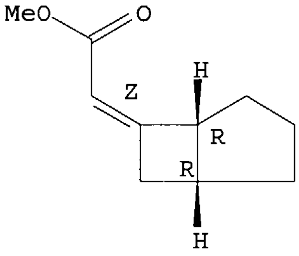

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 11 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   88491-11-6  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-2-en-6-ylidene-, ethyl ester, (Z)- (9CI)
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Bicyclo[3.2.0]heptane, acetic acid deriv.
FS   STEREOSEARCH
MF   C11 H14 O2
LC   STN Files:   CA, CAPLUS
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.
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Double bond geometry as shown.
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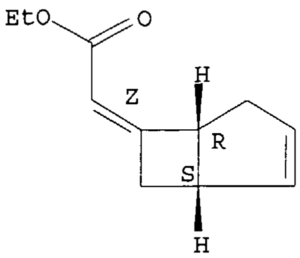

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L28  ANSWER 12 OF 12  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   88491-10-5  REGISTRY
CN   Acetic acid, bicyclo[3.2.0]hept-2-en-6-ylidene-, ethyl ester, (E)- (9CI)
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Bicyclo[3.2.0]heptane, acetic acid deriv.
FS   STEREOSEARCH
MF   C11 H14 O2
LC   STN Files:   CA, CAPLUS
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.
Double bond geometry as shown.
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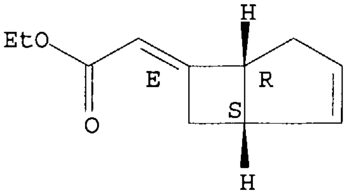

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)


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COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    35.56     470.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -10.50

FILE 'CAPLUS' ENTERED AT 14:25:40 ON 12 SEP 2004
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FILE COVERS 1907 - 12 Sep 2004  VOL 141 ISS 12
FILE LAST UPDATED: 10 Sep 2004  (20040910/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l28 full
L29          6 L28

=> d 1-6 bib abs l29

L29  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:308400  CAPLUS
DN   140:287120
TI   Preparation of cyclic nitromethyl acetic acid derivatives
IN   Derrick, Andrew Michael
PA   Pfizer Limited, UK; Pfizer Inc.
SO   PCT Int. Appl., 35 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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PI   WO 2004031124        A1    20040415    WO 2003-IB4249          20030922
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ,
             MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
             NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
             GW, ML, MR, NE, SN, TD, TG
     US 2004116525        A1    20040617    US 2003-677837          20031002
PRAI GB 2002-23072        A     20021004
     US 2002-421867P      P     20021028
OS   MARPAT 140:287120
AB   The invention relates cyclic nitromethyl acetic acid derivs. for use as
     intermediates in the preparation of cyclic and bicyclic amino acids.  Salts of
     (1R,5R,6S)-[6-(nitromethyl)bicyclo[3.2.0]hept-6-yl]acetic acid (I) or the
     racemate are claimed.  Thus, condensation of (1R,5R)-bicyclo[3.2.0]heptan-
     6-one with tri-Et phosphonoacetate, followed by reaction with nitromethane
     and saponification, afforded nitro acid I, which was converted to the
     cyclohexylamine salt.  Reduction of the nitro group by hydrogenation over Pt/C
     afforded (1R,5R,6S)-[6-(aminomethyl)bicyclo[3.2.0]hept-6-yl]acetic acid.
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NPA

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10674896

RE.CNT  2      THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29  ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:308394  CAPLUS
DN   140:287119
TI   Preparation of bicyclo[3.2.0]hept-6-ylideneacetate intermediates in the
     synthesis of therapeutic fused bicyclic amino acids
IN   Gladwell, Iain Robert; Pettman, Alan John
PA   Pfizer Limited, UK; Pfizer Inc.
SO   PCT Int. Appl., 31 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE          APPLICATION NO.        DATE
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PI   WO 2004031115        A1    20040415      WO 2003-IB4179         20030922
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD
        RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
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             NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
             GW, ML, MR, NE, SN, TD, TG
     US 2004138498        A1    20040715      US 2003-677836         20031002
PRAI GB 2002-23070        A     20021004
     US 2002-421868P      P     20021028
OS   MARPAT 140:287119
GI
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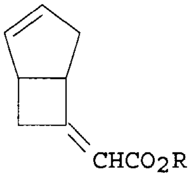

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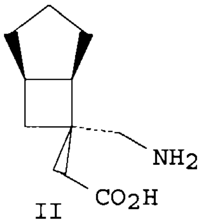

II

N RA

```
AB   The invention presents compds. I (R is H or a suitable carboxylic
     acid-protecting group) or stereoisomers and their ring-saturated derivs.,
     which are intermediates in the preparation of therapeutic fused bicyclic amino
     acids.  The synthesis comprises reaction of bicyclo[3.2.0]hept-2-en-6-one
     or bicyclo[3.2.0]heptan-6-one with a phosphonoacetate derivative  In the
     examples, (±)-Et bicyclo[3.2.0]hept-6-ylideneacetate was prepared from
     bicyclo[3.2.0]heptan-6-one and tri-Et phosphonoacetate and underwent
     subsequent enzymic hydrolysis, esterification, nitromethylation,
saponification,
     and hydrogenation to afford bicyclic amino acid II.
RE.CNT  4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29  ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:162589  CAPLUS
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10674896

DN    140:193110
TI    Fused bicyclic or tricyclic amino acids, their preparation, and their use
      in the treatment of fibromyalgia
IN    Blakemore, David Clive; Bryans., Kistom. Stephen; Williams, Sophie
      Caroline
PA    Pfizer Limited, UK; Pfizer Inc.; Bryans. Kistom. Stephen
SO    PCT Int. Appl., 77 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 3
      PATENT NO.           KIND    DATE         APPLICATION NO.        DATE
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PI    WO 2004016260        A1      20040226     WO 2003-IB3546         20030806
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
              PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
              TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ,
              MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
              CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
              NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
              GW, ML, MR, NE, SN, TD, TG
      US 2004092591        A1      20040513     US 2003-640547         20030813
PRAI  GB 2002-19024        A       20020815
      GB 2002-23067        A       20021004
      US 2002-421866P      P       20021028
OS    MARPAT 140:193110
AB    The compds. of the invention are bicyclic or tricyclic amino acids useful
      in the treatment of fibromyalgia.  Pharmaceutical compns. containing one or
      more of the compds. for use in the treatment of fibromyalgia are also
      included.
RE.CNT  5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29   ANSWER 4 OF 6  CAPLUS  COPYRIGHT 2004 ACS on STN
AN    2002:832747  CAPLUS
DN    137:338131
TI    Preparation of fused bicyclic or tricyclic amino acids
IN    Blakemore, David Clive; Bryans, Justin Stephen; Williams, Sophie Caroline
PA    Warner-Lambert Company, USA
SO    PCT Int. Appl., 92 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.           KIND    DATE         APPLICATION NO.        DATE
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PI    WO 2002085839        A1      20021031     WO 2002-IB1146         20020403
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
              PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
              UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
              TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
              CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
      GB 2374595           A1      20021023     GB 2001-9635           20010419
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NPA

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     EP 1379494          A1    20040114    EP 2002-716996          20020403
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     EE 200300517        A     20040415    EE 2003-517             20020403
     BR 2002008922       A     20040420    BR 2002-8922            20020403
     JP 2004527544       T2    20040909    JP 2002-583367          20020403
     US 2003078300       A1    20030424    US 2002-124210          20020416
     US 6596900          B2    20030722
     NO 2003004642       A     20031209    NO 2003-4642            20031017
PRAI GB 2001-9635        A     20010419
     GB 2001-25807       A     20011026
     WO 2002-IB1146      W     20020403
OS   MARPAT 137:338131
AB   Bicyclic or tricyclic amino acids were prepared for use in the treatment of
     epilepsy, faintness attacks, hypokinesia, cranial disorders,
     neurodegenerative disorders, depression, anxiety, panic, pain, arthritis,
     neuropathol. disorders, sleep disorders, visceral pain disorders, and
     gastrointestinal disorders.  Pharmaceutical compns. containing one or more of
     the compds. are also included.  Thus, [(1R,5R,6S)-6-
     (aminomethyl)bicyclo[3.2.0]hept-6-yl]acetic acid hydrochloride was prepared
     by treating Me [(1R,5R,6S)-6-(isocyanatomethyl)bicyclo[3.2.0]hept-6-
     yl]acetate with 6N HCl under reflux for 18 h.  The isocyanate was obtained
     from bicyclo[3.2.0]hept-2-en-6-one by a multistep procedure, which
     includes reaction of (1RS, 5RS)-bicyclo[3.2.0]heptan-6-one with Et
     cyanoacetate.
RE.CNT  3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29  ANSWER 5 OF 6  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   1986:571880  CAPLUS
DN   105:171880
TI   Lewis acid catalyzed inter- and intramolecular [2 + 2] cycloadditions of
     conjugated allenic esters to alkenes
AU   Snider, Barry B.; Ron, Eyal
CS   Dep. Chem., Brandeis Univ., Waltham, MA, 02254, USA
SO   Journal of Organic Chemistry (1986), 51(19), 3643-52
     CODEN: JOCEAH; ISSN: 0022-3263
DT   Journal
LA   English
OS   CASREACT 105:171880
GI
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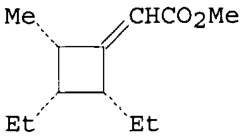

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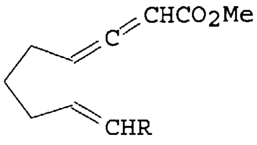

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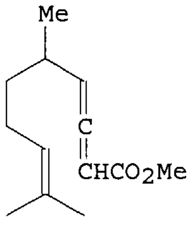

IV

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AB   The [2 + 2] cycloaddns. of the substituted allenic esters MeCR:C:CHCO2Me
     [R = H (I), Me] and CH2:C:CMeCO2Me with alkenes occur at C-3 and C-4 as
     with CH2:C:CHCO2Me to give similar mixts. of products.  The stereo- and
     regioselectivity of these EtAlCl2-catalyzed reactions is remarkably
     similar to the thermal cycloaddn. reactions of the corresponding ketenes,
     which indicates that the mechanistic models used to rationalize ketene
     cycloaddn. reactions are probably also applicable here.  In particular, I
     cycloaddn. with cis-3-hexene is selective for the cycloadduct II, expected
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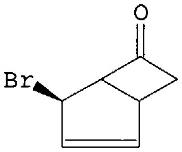
from a concerted reaction proceeding via a $[\pi 2s + \pi 2a]$ transition state. Cycloaddns. of the intramol. allenic esters III (R = H, Et) and IV proceed in excellent yield to give primarily the [2 + 2] cycloadducts. These reactions complement intramol. ketene cycloaddns., which often proceed in reasonable yield only with activated ketenes.

L29 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1984:51135 CAPLUS
DN 100:51135
TI Conversion of bicyclo[3.2.0]hept-2-en-6-one into cyclopentadienylacetic acid derivatives
AU Wallquist, Olof; Rey, Max; Dreiding, Andre S.
CS Org.-Chem. Inst., Univ. Zurich, Zurich, CH-8057, Switz.
SO Helvetica Chimica Acta (1983), 66(6), 1876-90
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA German
OS CASREACT 100:51135
GI



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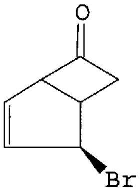

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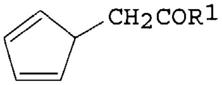

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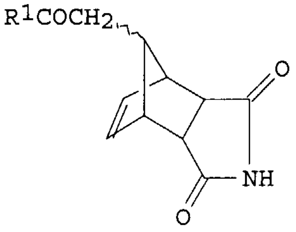
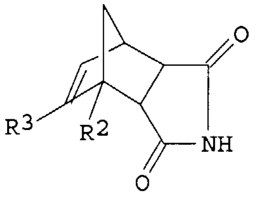


IV



V

AB The reaction of a mixture of bromobicyclo[3.2.0]hept-2-en-6-ones I and II with O- or N-nucleophiles yielded cyclopentadiens III (R1 = H, alkoxy, alkenyloxy, amino, etc.). Due to their rapid isomerization, III were not isolated. but were demonstrated spectroscopically or captured in situ with maleimide as methanoisoindoles IV. The formation of III from I and II involves fragmentation of the bond between the carbonyl and the bridge-head C, induced by the attacking nucleophile and the leaving Br- and aided by the relief of the four-membered ring strain. Some of the isomerization products of III were captured with maleimide as V (R2 = H, R3 = R1COCH2; R2 = R1COCH2, R3 = H). Two C-nucleophiles did not induce the fragmentation: CH2(COMe)2 substituted the Br and (EtO)2P(O)CH2CO2Et condensed with the carbonyl group of I and II.